

SANITARY SEWER



The FY 2010-14 Capital Improvement Program continues reinvestment in the City's sanitary sewer infrastructure. Funds are budgeted for specific repair projects on Faris Circle and in Haynie-Sirriner, as well as citywide rehabilitation.



HAYNIE-SIRRINE SEWER REHABILITATION

Department:	<u>PUBLIC WORKS</u>	Ranking:	<u>GROUP A</u>
Status of Project:	<u>REVISION</u>	Start/Finish Dates:	<u>JULY 2006</u> <u>JUN 2010</u>
Strategic Goal:	<u>2</u>	Project Number:	<u>SA3386</u>

Project Description:

This project will support sanitary sewer system rehabilitation in the Haynie-Sirrine neighborhood to address inadequate capacity and address inflow and infiltration issues.

This project was formally known as Basin G12D Rehabilitation.

Project Justification (Including Relationship to City Strategic Plan Goals/Objectives):

This improvement will reduce infiltration and inflow within the basin and increase flow capacity. Rehabilitation is needed to meet DHEC and EPA consent agreement construction schedules, as well as provide flow capacity for future redevelopment within the basin.

Method for Estimating Cost:

Engineering estimate.

Project Status (As of January 1, 2009):

Video survey and design are underway.

Other Special Considerations (Future Expansion/Special Features/Etc.):

It is anticipated that the video survey will reveal additional rehabilitation needed, but scope and cost cannot be determined at the present time.

PROJECT ITEMS	FUNDING TO-DATE	FY 09/10 COST	FY 10/11 COST	FY 11/12 COST	FY 12/13 COST	FY 13/14 COST	TOTAL PROJECT COST
Planning/Design	\$200,000	\$0	\$0	\$0	\$0	\$0	\$200,000
Site Acquisition Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Improvements	\$927,500	\$50,000	\$0	\$0	\$0	\$0	\$977,500
Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Management	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL PROJECT COST	\$1,127,500	\$50,000	\$0	\$0	\$0	\$0	\$1,177,500
PROJECT FUNDING SOURCES (LIST)	FUNDING TO-DATE	FY 09/10 EST. FUNDS	FY 10/11 EST. FUNDS	FY 11/12 EST. FUNDS	FY 12/13 EST. FUNDS	FY 13/14 EST. FUNDS	TOTAL PROJECT FUNDING
State Clean Water Revolving Loan Fund	\$927,500	\$0	\$0	\$0	\$0	\$0	\$927,500
Sanitary Sewer Fund	\$200,000	\$50,000	\$0	\$0	\$0	\$0	\$250,000
TOTAL PROJECT FUNDING	\$1,127,500	\$50,000	\$0	\$0	\$0	\$0	\$1,177,500
OPERATIONAL COSTS							
Operating Impact		\$0	\$0	\$0	\$0	\$0	\$0
Cumulative Operating Impact		\$0	\$0	\$0	\$0	\$0	\$0
FTEs Added		0.00	0.00	0.00	0.00	0.00	0.00
Cumulative FTEs Added		0.00	0.00	0.00	0.00	0.00	0.00

FARIS CIRCLE SANITARY SEWER

Department:	<u>PUBLIC WORKS</u>	Ranking:	<u>N/A</u>
Status of Project:	<u>CONTINUATION</u>	Start/Finish Dates:	<u>JAN 2006</u> <u>JUN 2010</u>
Strategic Goal:	<u>2</u>	Project Number:	<u>SA3382</u>

Project Description:

This project involves replacement of 2,000 feet of sanitary sewer along the alley behind Faris Circle.

Project Justification (Including Relationship to City Strategic Plan Goals/Objectives):

The existing line is deteriorating and needs to be relocated to the roadway. The existing line continues to be a source of inflow and infiltration.

Method for Estimating Cost:

Engineering estimate.

Project Status (As of January 1, 2009):

Design is complete, and loan application is pending.

PROJECT ITEMS	FUNDING TO-DATE	FY 08/09 COST	FY 09/10 COST	FY 10/11 COST	FY 11/12 COST	FY 12/13 COST	TOTAL PROJECT COST
Planning/Design	\$34,560	\$0	\$0	\$0	\$0	\$0	\$34,560
Site Acquisition Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Improvements	\$450,000	\$0	\$0	\$0	\$0	\$0	\$450,000
Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Management	\$22,500	\$0	\$0	\$0	\$0	\$0	\$22,500
TOTAL PROJECT COST	\$507,060	\$0	\$0	\$0	\$0	\$0	\$507,060
PROJECT FUNDING SOURCES (LIST)	FUNDING TO-DATE	FY 08/09 EST. FUNDS	FY 09/10 EST. FUNDS	FY 10/11 EST. FUNDS	FY 11/12 EST. FUNDS	FY 12/13 EST. FUNDS	TOTAL PROJECT FUNDING
Sanitary Sewer Fund	\$34,560	\$0	\$0	\$0	\$0	\$0	\$34,560
State Clean Water Revolving Loan Fund	\$472,500	\$0	\$0	\$0	\$0	\$0	\$472,500
TOTAL PROJECT FUNDING	\$507,060	\$0	\$0	\$0	\$0	\$0	\$507,060
OPERATIONAL COSTS							
Operating Impact		\$0	\$0	\$0	\$0	\$0	\$0
Cumulative Operating Impact		\$0	\$0	\$0	\$0	\$0	\$0
FTEs Added		0.00	0.00	0.00	0.00	0.00	0.00
Cumulative FTEs Added		0.00	0.00	0.00	0.00	0.00	0.00

WASTEWATER SYSTEM REHABILITATION PHASE I

Department:	<u>PUBLIC WORKS</u>	Ranking:	<u>GROUP B</u>
Status of Project:	<u>NEW PROJECT</u>	Start/Finish Dates:	<u>JULY 2009</u> <u>JUN 2011</u>
Strategic Goal:	<u>2</u>	Project Number:	<u>TBD</u>

Project Description:

Sewer system rehabilitation will be conducted through a two-year find-and-fix cycle. During year one, the sewer system will be evaluated and prioritized. Designs will be completed to address the findings and prioritization. Year two will consist of implementing the designs through various rehabilitation techniques such as cure-in-place piping, pipe bursting, and open trench excavation and replacement.

Project Justification (Including Relationship to City Strategic Plan Goals/Objectives):

This improvement will reduce infiltration and inflow within the basin consistent with its agreement with the Western Carolina Regional Sewer Authority. This addresses plans for mitigating inflow and infiltration in the collection system prior to arrival at their treatment plants at Mauldin Road and Lower Reedy.

Method for Estimating Cost:

Engineering estimate.

Project Status (As of January 1, 2009):

New project.

PROJECT ITEMS	FUNDING TO-DATE	FY 09/10 COST	FY 10/11 COST	FY 11/12 COST	FY 12/13 COST	FY 13/14 COST	TOTAL PROJECT COST
Planning/Design	\$0	\$200,000	\$0	\$0	\$0	\$0	\$200,000
Site Acquisition Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Improvements	\$0	\$0	\$2,500,000	\$0	\$0	\$0	\$2,500,000
Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Management	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL PROJECT COST	\$0	\$200,000	\$2,500,000	\$0	\$0	\$0	\$2,700,000
PROJECT FUNDING SOURCES (LIST)	FUNDING TO-DATE	FY 09/10 EST. FUNDS	FY 10/11 EST. FUNDS	FY 11/12 EST. FUNDS	FY 12/13 EST. FUNDS	FY 13/14 EST. FUNDS	TOTAL PROJECT FUNDING
Sanitary Sewer Fund	\$0	\$200,000	\$300,000	\$0	\$0	\$0	\$500,000
State Clean Water Revolving Loan Fund	\$0	\$0	\$2,200,000	\$0	\$0	\$0	\$2,200,000
TOTAL PROJECT FUNDING	\$0	\$200,000	\$2,500,000	\$0	\$0	\$0	\$2,700,000
OPERATIONAL COSTS							
Operating Impact		\$0	\$0	\$0	\$0	\$0	\$0
Cumulative Operating Impact		\$0	\$0	\$0	\$0	\$0	\$0
FTEs Added		0.00	0.00	0.00	0.00	0.00	0.00
Cumulative FTEs Added		0.00	0.00	0.00	0.00	0.00	0.00

WASTEWATER SYSTEM REHABILITATION PHASE II

Department:	<u>PUBLIC WORKS</u>	Ranking:	<u>GROUP B</u>
Status of Project:	<u>PLANNED/PROGRAMMED</u>	Start/Finish Dates:	<u>JULY 2011</u> <u>JUN 2013</u>
Strategic Goal:	<u>2</u>	Project Number:	<u>TBD</u>

Project Description:

Sewer system rehabilitation will be conducted through a two-year find-and-fix cycle. During year one, the sewer system will be evaluated and prioritized. Designs will be completed to address the findings and prioritization. Year two will consist of implementing the designs through various rehabilitation techniques such as cure-in-place piping, pipe bursting, and open trench excavation and replacement.

Project Justification (Including Relationship to City Strategic Plan Goals/Objectives):

This improvement will reduce infiltration and inflow within the basin consistent with its agreement with the Western Carolina Regional Sewer Authority. This addresses plans for mitigating inflow and infiltration in the collection system prior to arrival at their treatment plants at Mauldin Road and Lower Reedy.

Method for Estimating Cost:

Engineering estimate.

Project Status (As of January 1, 2009):

New project.

PROJECT ITEMS	FUNDING TO-DATE	FY 09/10 COST	FY 10/11 COST	FY 11/12 COST	FY 12/13 COST	FY 13/14 COST	TOTAL PROJECT COST
Planning/Design	\$0	\$0	\$0	\$200,000	\$0	\$0	\$200,000
Site Acquisition Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Improvements	\$0	\$0	\$0	\$0	\$2,500,000	\$0	\$2,500,000
Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Management	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL PROJECT COST	\$0	\$0	\$0	\$200,000	\$2,500,000	\$0	\$2,700,000
PROJECT FUNDING SOURCES (LIST)	FUNDING TO-DATE	FY 09/10 EST. FUNDS	FY 10/11 EST. FUNDS	FY 11/12 EST. FUNDS	FY 12/13 EST. FUNDS	FY 13/14 EST. FUNDS	TOTAL PROJECT FUNDING
Sanitary Sewer Fund	\$0	\$0	\$0	\$200,000	\$300,000	\$0	\$500,000
State Clean Water Revolving Loan Fund	\$0	\$0	\$0	\$0	\$2,200,000	\$0	\$2,200,000
TOTAL PROJECT FUNDING	\$0	\$0	\$0	\$200,000	\$2,500,000	\$0	\$2,700,000
OPERATIONAL COSTS							
Operating Impact		\$0	\$0	\$0	\$0	\$0	\$0
Cumulative Operating Impact		\$0	\$0	\$0	\$0	\$0	\$0
FTEs Added		0.00	0.00	0.00	0.00	0.00	0.00
Cumulative FTEs Added		0.00	0.00	0.00	0.00	0.00	0.00

WASTEWATER SYSTEM REHABILITATION PHASE III

Department:	<u>PUBLIC WORKS</u>	Ranking:	<u>GROUP B</u>
Status of Project:	<u>PLANNED/PROGRAMMED</u>	Start/Finish Dates:	<u>JULY 2013</u> <u>JUN 2015</u>
Strategic Goal:	<u>2</u>	Project Number:	<u>TBD</u>

Project Description:

Sewer system rehabilitation will be conducted through a two-year find-and-fix cycle. During year one, the sewer system will be evaluated and prioritized. Designs will be completed to address the findings and prioritization. Year two will consist of implementing the designs through various rehabilitation techniques such as cure-in-place piping, pipe bursting, and open trench excavation and replacement.

Project Justification (Including Relationship to City Strategic Plan Goals/Objectives):

This improvement will reduce infiltration and inflow within the basin consistent with its agreement with the Western Carolina Regional Sewer Authority. This addresses plans for mitigating inflow and infiltration in the collection system prior to arrival at their treatment plants at Mauldin Road and Lower Reedy.

Method for Estimating Cost:

Engineering estimate.

Project Status (As of January 1, 2009):

New project.

PROJECT ITEMS	FUNDING TO-DATE	FY 09/10 COST	FY 10/11 COST	FY 11/12 COST	FY 12/13 COST	FY 13/14 COST	TOTAL PROJECT COST
Planning/Design	\$0	\$0	\$0	\$0	\$0	\$200,000	\$200,000
Site Acquisition Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Improvements	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Management	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL PROJECT COST	\$0	\$0	\$0	\$0	\$0	\$200,000	\$200,000
PROJECT FUNDING SOURCES (LIST)	FUNDING TO-DATE	FY 09/10 EST. FUNDS	FY 10/11 EST. FUNDS	FY 11/12 EST. FUNDS	FY 12/13 EST. FUNDS	FY 13/14 EST. FUNDS	TOTAL PROJECT FUNDING
Sanitary Sewer Fund	\$0	\$0	\$0	\$0	\$0	\$200,000	\$200,000
TOTAL PROJECT FUNDING	\$0	\$0	\$0	\$0	\$0	\$200,000	\$200,000
OPERATIONAL COSTS							
Operating Impact		\$0	\$0	\$0	\$0	\$0	\$0
Cumulative Operating Impact		\$0	\$0	\$0	\$0	\$0	\$0
FTEs Added		0.00	0.00	0.00	0.00	0.00	0.00
Cumulative FTEs Added		0.00	0.00	0.00	0.00	0.00	0.00

